



Pressure Vessels & Mineral Tanks

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MULTIFAMILY HOUSING SUPPLIES



CATALOG

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STRUCTURAL[®]
POLY GLASS[®] VESSELS

PROVEN PERFORMANCE IN RESIDENTIAL AND LIGHT COMMERCIAL APPLICATIONS

Pentair[®] Structural[®] Poly Glass Vessels have been the industry standard for quality and performance for over 30 years. Featuring a one piece, seamless high density polyethylene liner and an encapsulated, leak free engineered polymer inlet, Structural Poly Glass Vessels are designed to provide you with years of worry free performance.



FEATURES/BENEFITS

For residential and light commercial water softener/filtration applications
Slim diameter with capacities from 2 to 49 gallons

Unmatched strength and chemical resistance

10-year warranty for 6" - 13" vessels
5-year warranty for 14" - 16" vessels

MATERIAL OF CONSTRUCTION

Inner shell of high density polyethylene

Threaded inlet in various sizes: 2.5", 4", 4.5"

APPLICATIONS

Residential/light commercial softening

Residential/light commercial filtration

Portable exchange tanks

OPERATING PARAMETERS

Maximum operating pressure - 150 psi
Maximum operating temperature - 120° F

PENTAIR DESIGN PARAMETERS

Safety factor - 4:1
Minimum burst at 600 psi
Tested to 250,000 cycles without leakage

NSF/ANSI STD. 44 DESIGN PARAMETERS

Safety factor - 4:1
Minimum burst at 600 psi
Tested to 100,000 cycles without leakage

COLOR OPTIONS

AL - Almond GR - Gray
BL - Blue NA - Natural
BK - Black



Vessels tested and certified by the Water Quality Association (WQA) to NSF/ANSI Std. 44 for material safety and structural integrity requirements and Std. 372 for low lead compliance.



STRUCTURAL® POLY GLASS® VESSELS

VESSEL	PART NO.	DESCRIPTION	HEIGHT W/BASE INCHES / MM	CAPACITY GALLONS / LITERS	CUBIC FEET
6" DIA.	CH30109	0613 PG 2.5"T	13.4 / 340	1.1 / 4.2	0.15
	CH30127	0618 PG 2.5"T	18.8 / 479	1.8 / 6.8	0.24
	CH30151	0635 PG 2.5"T	35.7 / 906	3.8 / 14.4	0.51
7" DIA.	CH30190	0735 PG 2.5"T	35.4 / 898	5.2 / 19.7	0.7
	CH30213	0744 PG 2.5"T	44.0 / 1120	6.7 / 25.4	0.9
8" DIA.	CH31835	0818 PG 2.5"T	18.7 / 475	3.3 / 12.5	0.44
	CH33858	0824 PG 2.5"T	24.4 / 620	4.5 / 17.0	0.6
	CH31836	0830 PG 2.5"T	30.3 / 770	5.9 / 22.3	0.79
	CH30264	0835 PG 2.5"T	35.39 / 899	6.6 / 25	0.88
	CH30286	0840 PG 2.5"T	40.1 / 1018	7.8 / 29.5	1
	CH30305	0844 PG 2.5"T	44.5 / 1130	8.7 / 32.9	1.2
9" DIA.	CH30317	0918 PG 2.5"T	18.4 / 467	3.9 / 14.8	0.52
	CH30347	0935 PG 2.5"T	35.3 / 896	8.3 / 31.4	1.1
	CH30360	0940 PG 2.5"T	39.8 / 1010	9.5 / 36	1.3
	CH30367	0942 PG 2.5"T	41.9 / 1063	10.1 / 38.2	1.4
	CH30383	0948 PG 2.5"T	48.7 / 1237	11.8 / 44.7	1.6
10" DIA.	CH31357	1018 PG 2.5"T	18.9 / 480	4.9 / 18.5	0.65
	CH30460	1035 PG 2.5"T	35.5 / 902	10.2 / 38.6	1.4
	CH30491	1040 PG 2.5"T	40.3 / 1024	11.5 / 43.5	1.54
	CH30523	1044 PG 2.5"T	44.6 / 1134	13.1 / 49.6	1.8
	Consult Factory	1044 PG 2.5"T 1.25" THD	44.9 / 1142	13.1 / 49.6	1.8
	CH30546	1047 PG 2.5"T	47.7 / 1211	15.1 / 57.2	2
	CH30579	1054 PG 2.5"T	54.4 / 1383	16.4 / 62.1	2.2
	Consult Factory	1054 PG 2.5"T 1.25" THD	54.4 / 1383	16.4 / 62.1	2.2
12" DIA.	CH31478	1060 PG 2.5"T	61.3 / 1558	18.3 / 69.3	2.45
	CH30615	1242 PG 2.5"T	43.0 / 1093	19.1 / 72.3	2.6
	CH30617	1242 PG 4.5"T	43.1 / 1095	19.1 / 72.3	2.6
	CH30646	1248 PG 2.5"T	49.0 / 1245	20.6 / 78	2.8
	CH30647	1248 PG 4"T	49.4 / 1256	20.6 / 78	2.8
	Consult Factory	1248 PG 2.5"T 1.25" TDH	49.0 / 1244	20.6 / 78	2.8
	CH30666	1252 PG 2.5"T	53.0 / 1346	22.2 / 84	2.97
	Consult Factory	1252 PG 2.5"T 1.25" TDH	53.0 / 1346	22.2 / 84	2.97
	CH30669	1252 PG 4"T	53.4 / 1356	22.2 / 84	2.97
13" DIA.	CH32127	1252 PG 4.5"T	53.14 / 1350	22.2 / 84	2.97
	CH30721	1354 PG 2.5"T	54.3 / 1380	27 / 102	3.6
	Consult Factory	1354 PG 2.5"T 1.25" TDH	54.3 / 1380	27 / 102	3.6
	30724	1354 4"T	54.9 / 1394	27 / 102	3.6
14" DIA.	CH30745	1447 4"T	47.0 / 1195	27.5 / 104	3.7
	CH32006	1447 4.5"T	47.3 / 1200	27.5 / 104	3.7
	Consult Factory	1454 4"T	54.7 / 1388	32.8 / 124	4.4
	CH30785	1465 4"T	66.1 / 1679	38 / 144	5.1
16" DIA.	CH34368	1633 4"T	34.8 / 885	22.4 / 85	3
	CH30864	1653 4"T	55.0 / 1397	40 / 151	5.3
	CH30912	1665 4"T	66.2 / 1682	49 / 186	6.6
	CH30868	1665 4"T 4"B	78.8 / 2002	49 / 186	6.6



STRUCTURAL
COMPOSITE PRESSURE VESSELS

DESIGNED FOR COMMERCIAL SOFTENING AND FILTRATION APPLICATIONS



Pentair Structural[®] Composite Pressure Vessels offer reinforced fiberglass construction for outstanding performance and durability. Available in capacities up to 1,600 gallons, composite vessels are available with a variety of different configurations. ASME code available.

FEATURES/BENEFITS

- For commercial and industrial water treatment and storage
- 100% composite fiberglass construction
- Outstanding performance and durability in harsh chemical environments
- Absolutely will not – and cannot – rust
- Requires little or no maintenance
- Capacities up to 1,600 gallons
- Factory-backed five-year warranty
- Commercial softening and filtration

MATERIAL OF CONSTRUCTION

Polyethylene inner shell

INSTALLATION TIPS

- Bolt base to floor
- Calculate height for valve and base combined

COLOR OPTIONS

- AL – Almond
- BL – Blue
- BK – Black
- GR – Gray
- NA – Natural

OPERATING PARAMETERS

- Maximum operating pressure – 150 psi
- Maximum operating temperature – 120° F (threaded); 150°F (flanged)

PENTAIR DESIGN PARAMETERS

- Safety factor: 4:1
- Minimum burst at 600 psi
- Tested to 250,000 cycles without leakage

NSF DESIGN PARAMETERS

- Safety factor: 4:1
- Minimum burst at 600 psi
- Tested to 100,000 cycles without leakage

ASME DESIGN PARAMETERS

- Top/Bottom Flange**
 - Safety factor – 5:1
 - Minimum burst at 750 psi
 - Tested to 33,000 cycles without leakage
- Side Flange**
 - Safety factor – 6:1
 - Minimum burst at 900 psi
 - Tested to 100,000 cycles without leakage



Vessels Tested and Certified by NSF International to NSF/ANSI Standard 61 for material and structural integrity requirements.

STRUCTURAL® COMPOSITE VESSELS

VESSEL	DESCRIPTION	HEIGHT W/BASE INCHES / MM	HEIGHT W/O BASE INCHES / MM	CAPACITY GALLONS / LITERS	CUBIC FEET	BASE	SHIP WEIGHT LBS.
18" DIA.	18X65 COMP 4"T	66.25 / 1683	65.07 / 1669	64 / 242	8.56	SMC	67
	18X65 COMP 4"T 4"B	73.13 / 1858	65.6 / 1394	64 / 242	8.56	SMC EXT	67
	18X65 COMP 6"TF 6"BF	84.12 / 2137	70.5 / 1791	62 / 234	8.29	SMC EXT	92
21" DIA.	21X36 COMP 4"T	41.7 / 1059	38.2 / 970	45 / 171	6.06	SMC	46
	21X36 COMP 4"T 4"B	47.5 / 1205	38.25 / 970	45 / 171	6.06	SMC EXT	53
	21X62 COMP 4"T	67.0 / 1702	63.4 / 1610	84 / 318	11.23	SMC	95
	21X62 COMP 4"T 4"B	72.8 / 1848	63.5 / 1613	84 / 318	11.23	SMC EXT	95
24" DIA.	24X38 COMP 4"T	42.6 / 1081	38.5 / 978	61 / 231	8.15	SMC	65
	24X50 COMP 4"T	55.6 / 1412	52.9 / 1343	83.5 / 316	11.16	SMC	90
	24X50 COMP 4"T 4"B	63 / 1601	52.9 / 1343	83.5 / 316	11.16	SMC EXT	90
	24X65 COMP 4"T	65.2 / 1655	61.1 / 1552	100 / 378	13.36	SMC	109
	24X65 COMP 4"T 4"B	70.1 / 257	60 / 1524	100 / 378	13.36	SMC EXT	115
	24X65 COMP 6"TF	65 / 1651	61.2 / 1556	100 / 378	13.36	SMC	114
	24X65 COMP 6"TF 6"BF	79 / 2007	65 / 1651	100 / 378	13.36	TRIPOD	114
	24X72 COMP 4"T	74.7 / 1897	70.12 / 1781	118 / 451	15.77	SMC	109
	24X72 COMP 4"T 4"B	80.4 / 2043	70.3 / 1786	118 / 451	15.77	SMC EXT	124
	24X72 COMP 6"TF	77 / 1956	73.4 / 1864	118 / 451	15.77	SMC	137
24X72 COMP 6"TF 6"BF	88.5 / 2248	74.5 / 1892	118 / 451	15.77	TRIPOD	137	
30" DIA.	30X60 COMP 6"TF	71.6 / 1819	64.3 / 1634	151 / 572	20.2	SMC EXT	195
	30X60 COMP 6"TF 6"BF	82.5 / 2096	68.5 / 1740	151 / 572	20.2	TRIPOD	195
	30X72 COMP 4"T	78.9 / 2004	69.8 / 1772	187 / 708	24.99	SMC EXT	198
	30X72 COMP 4"T 4"B	77.2 / 1961	69.8 / 1772	187 / 708	24.99	SMC EXT	198
	30X72 COMP 6"TF	83.7 / 2126	69.9 / 1778	187 / 708	24.99	SMC EXT	195
	30X72 COMP 6"TF 6"BF	88.9 / 2258	74.9 / 1903	187 / 708	24.99	SMC EXT	211
36" DIA.	36X36 COMP 6"TF	55.3 / 1403	41 / 1041	118 / 447	15.8	TRIPOD	148
	36X57 COMP 6"TF	68 / 1727	59.3 / 1505	205 / 776	27.4	SMC EXT	225
	36X57 COMP 6"TF 6"BF	77.3 / 1962	63 / 1600	205 / 776	27.4	TRIPOD	225
	36X72 COMP 4"T	80.5 / 2045	71.8 / 1823	264 / 999	35.2	SMC EXT	264
	36X72 COMP 4"T 4"B	80.5 / 2045	70.5 / 1791	264 / 999	35.2	SMC EXT	285
	36X72 COMP 6"TF	83 / 2108	74.3 / 1886	264 / 999	35.2	SMC EXT	285
	36X72 COMP 6"TF 6"BF	90.4 / 2296	76.1 / 1934	264 / 999	35.2	TRIPOD	285
	36X72 COMP 6"TF 6"BF 4"TBSF	89.6 / 2275	75.3 / 1913	264 / 999	35.2	TRIPOD	292
42" DIA.	42X72 COMP 6"TF	72.5 / 1842	71.1 / 1807	345 / 1306	46.1	SMC	370
	42X72 COMP 6"TF 6"BF	90.1 / 2289	73 / 1854	345 / 1306	46.1	TRIPOD	400
	42X72 COMP 6"TF 6"BF 4"TBSF	94.6 / 2403	77.5 / 1969	345 / 1306	46.1	TRIPOD	415
48" DIA.	48X72 COMP 6"TF	81.5 / 2071	75.2 / 1909	463 / 1753	61.9	SMC	494
	48X72 COMP 6"TF 6"BF	92.9 / 2360	76.9 / 1953	463 / 1753	61.9	TRIPOD	494
	48X72 COMP 6"TF 6"BF 4"TBSF	96.75 / 2458	80.75 / 2051	463 / 1753	61.9	TRIPOD	504
63" DIA.	63X67 COMP 6"TF 6"BF	81.4 / 2068	67.1 / 1704.3	600 / 2271	80.2	TRIPOD	680
	63X86 COMP 6"TF 6"BF	98.5 / 2503	84.1 / 2136	900 / 3407	120.3	TRIPOD	950
	63X86 COMP 16"TMWY 6"BF	99 / 2515	84.5 / 2146	900 / 3407	120.3	TRIPOD	950
	63X86 COMP 16"TMWY 6"BF 4"TBSF	99 / 2515	85 / 2159	900 / 3407	120.3	TRIPOD	950
	63X116 16"TMWY 6"BF 4"TBSF	130 / 3302	115.9 / 2945	1250 / 4732	167	TRIPOD	1190
	63X144 16"TMWY 6"BF 4"TBSF	157.9 / 4012	143.9 / 3656	1600 / 6057	214	TRIPOD	1398

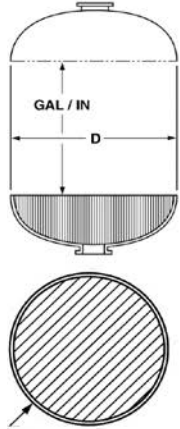
*Measurements are subject to change without notice and are for reference only.

NOTE: Flexible connections must be installed between hard piping and tank openings. Failure to install flex connection properly with the vessel will void

NOTE: Different base options can be selected on different tank diameters. The bases selected above illustrate most common base selection.

STRUCTURAL® COMPOSITE VESSELS

DOMES VOLUME (GALLONS) AND STRAIGHT WALL GALLON PER INCH

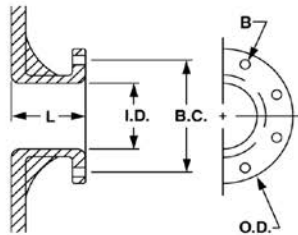


NOMINAL DIAMETER			
D (INCHES)	GALLONS* (ONE DOME)	GALLON/ INCH (APPROX.)	A (SQ. FEET)
12	1.0	0.5	0.7
13	1.4	0.5	0.9
14	1.7	0.6	1.1
16	2.7	0.8	1.3
18	3.7	1.0	1.8
21	6.2	1.4	2.4
24	9.3	1.9	3.0
30	18	2.9	4.6
36	33	4.2	6.7
42	52	5.7	9.0
48	74	7.5	12.0
63	168	13.0	20.0

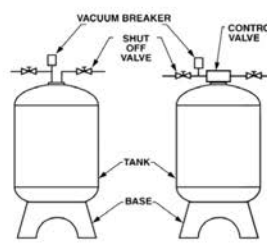
*Cubic Ft. = 0.1337 x Gallons

SIDE FLANGE

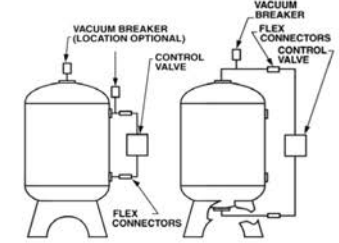
DIMENSIONS							
SIZE	L	I.D.	B.C.	O.D.	A BOLT DIA.	NUMBER OF HOLES	WEIGHT (LBS.)
4" ANSI	4.1"	4.0"	7.5"	9.0"	0.63"	8	6.4



VACUUM BREAKER INSTALLATION



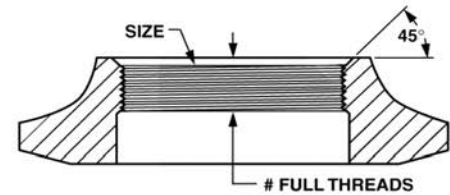
FLEX CONNECTORS INSTALLATION



NOTE: Flexible connectors must be installed between hard piping and tank openings. These pressure vessels are treated for an internal negative pressure of 5y HG (17 Pa) vacuum below atmospheric. If negative pressure could ever exceed 5y Hg (17 Pa), an adequate vacuum breaker must also be properly installed. Failure to install flex connection properly, or improper installation of a vacuum breaker when required, may void the warranty.

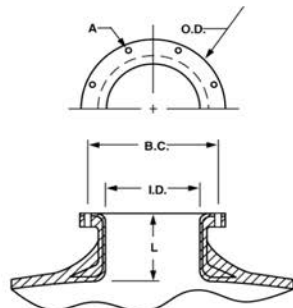
TOP AND BOTTOM OPENING THREADS

SPECIFICATIONS			
SIZE	COMPOSITE/ POLY GLASS	NUMBER OF FULL THREADS	COMPOSITE
2.5" - 8" NPSM	6	3 min	6
4" - 8" UN	7	3 min	7
4.5" - 8" Buttress	7	3 min	7



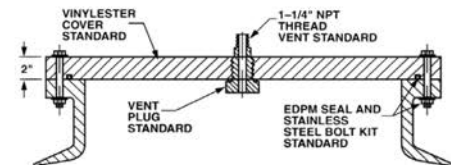
TOP AND BOTTOM OPENING FLANGES/MANWAY

DIMENSIONS							
SIZE	L	I.D.	B.C.	O.D.	A BOLT DIA.	NUMBER OF HOLES	WEIGHT (LBS.)
6" SNA	3.6"	5.9"	8.5"	9.4"	0.31"	12	5.8
10" ANSI	3.7"	10.0"	14.3"	16.0"	0.88"	12	17.8
16" Manway SNA	4.3"	16.0"	20.4"	21.3"	0.50"	24	34.0



MANWAY COVER

SPECIFICATIONS		
MATERIAL	PRESSURE RATING	TAPPING
CPVC	100 psi	As requested
VE	150 psi	As shown only



ADDER DIMENSIONS



*Measurements are subject to change without notice and are for reference only.

DIMENSIONS		
FLECK VALVE	TANK DIA. (INCHES/MM)	ADDER HT. (X) (INCHES/MM)
2750	18/475	6.5/165
2850	21/533	6.5/165
2900	24, 30/610, 762	12/305
3150	42/1067	10/254
3900	48-63/1219-1600	15/381



STRUCTURAL®
FRP VESSELS

DESIGNED WITH FLEXIBILITY FOR RESIDENTIAL AND COMMERCIAL WATER TREATMENT APPLICATIONS



Pentair® Structural® FRP Vessels are the ideal choice for residential and light commercial water treatment applications that require flexibility. Structural FRP Vessels by Pentair allow for multiple plumbing ports on the top and bottom domes as well as the sidewalls. Available in either Polyester resin (120°F) for standard applications or Vinylester (150°F) resin for hot water applications.

FEATURES/BENEFITS

Standard polyester or chemical-resistant vinylester construction
Easy to handle and install

10-year warranty for 6" - 13" vessels (softener/filtration applications)
5-year warranty for 14" - 16" vessels (softener/filtration applications)

OPTIONS

Available in black, blue, or natural



Vessels Tested and Certified by NSF International to NSF/ANSI Standard 61 for material and structural integrity requirements.

**DUFF
DIFFERS**

We'll show you how!





DESIGNED WITH FLEXIBILITY FOR RESIDENTIAL AND COMMERCIAL WATER TREATMENT APPLICATIONS

SPECIFICATIONS

	SIZE (INCHES)	TANK HEIGHT C1 (IN./MM)	OVERALL HEIGHT		CAPACITY GALLONS/LITERS	CUBIC FEET	TANK DIAMETER			
			L1 STD. BASE (IN./MM)	L2 EXT. BASE (IN./MM)			A (IN./MM)	D (IN./MM)	H1 (IN./MM)	H2 (IN./MM)
6" DIA.	6 x 18	18.0/457	18.1/460	24.0/610	2.3/8.7	0.3	6.0/152	9.4/239	4.1/104	4.5/114
	7 x 24	24.0/610	24.1/612	30.0/762	3.8/14.4	0.5	7.0/178	15.1/384	4.9/124	4.1/104
7" DIA.	7 x 44	44.0/1118	44.4/1128	50.2/1275	7.3/27.6	1.0	7.0/178	35.3/897	4.9/124	4.1/104
	8 x 17	17.0/432	17.2/437	23.0/584	3.1/11.7	0.4	8.0/203	7.2/183	5.3/135	4.4/112
8" DIA.	8 x 24	24.0/610	24.3/617	30.1/765	4.6/17.4	0.6	8.0/203	14.3/363	5.3/135	4.4/112
	8 x 30	30.0/762	30.2/767	36.0/914	6.0/22.7	0.8	8.0/203	20.2/513	5.3/135	4.4/112
	8 x 35	35.0/889	35.2/894	41.0/1041	7.1/26.9	0.9	8.0/203	25.2/640	5.3/135	4.4/112
	8 x 40	40.0/1016	40.3/1024	46.1/1171	8.2/31.0	1.1	8.0/203	30.3/770	5.3/135	4.4/112
	8 x 44	44.0/1118	44.5/1130	50.2/1275	9.1/34.4	1.2	8.0/203	34.4/874	5.3/135	4.4/112
	9 x 35	35.0/889	35.3/897	41.0/1041	8.8/33.3	1.2	9.0/229	24.5/622	5.3/135	5.2/132
9" DIA.	9 x 40	40.0/1016	40.3/1024	46.0/1168	10.3/39.0	1.4	9.0/229	29.5/749	5.3/135	5.2/132
	9 x 48	48.0/1219	48.3/1227	54.0/1372	12.5/47.3	1.7	9.0/229	37.5/953	5.3/135	5.2/132
	10 x 19	19.0/483	19.3/490	24.8/630	45.1/19.3	0.7	10.0/254	8.0/203	5.8/147	5.2/132
10" DIA.	10 x 30	30.0/889	30.4/772	36.0/914	8.5/32.3	1.1	10.0/254	19.3/490	5.8/147	5.2/132
	10 x 35	35.0/889	35.2/894	40.7/1034	10.4/39.4	1.4	10.0/254	23.8/605	5.9/147	5.2/132
	10 x 40	40.0/1016	40.3/1024	45.8/1163	12.1/45.8	1.6	10.0/254	28.9/734	5.9/147	5.2/132
	10 x 44	44.0/1118	44.3/1125	49.9/1267	13.4/51.0	1.8	10.0/254	33.1/841	5.8/147	5.2/132
	10 x 47	47.0/1194	47.3/1201	52.8/1341	14.4/55.0	1.9	10.0/254	36.0/914	5.8/147	5.2/132
	10 x 54	54.0/1372	54.3/1379	59.8/1519	16.7/63.0	2.2	10.0/254	43.0/1092	5.8/147	5.2/132
	12 x 29	29.0/737	29.1/739	34.2/869	14.2/53.7	1.9	12.0/305	15.4/391	6.6/168	6.4/163
12" DIA.	12 x 48	48.0/1219	48.9/1242	53.8/1367	23.4/89.0	3.1	12.0/305	35.0/889	6.6/168	6.4/163
13" DIA.	13 x 54	54.0/1372	54.9/1394	59.8/1519	27.6/105.0	3.7	13.0/330	35.6/904	9.1/231	9.3/236
14" DIA.	14 x 65	65.0/1651	65.7/1669	70.5/1791	39.7/150.3	5.3	14.0/356	43.0/1092	10.8/274	11.1/282
16" DIA.	16 x 23	23.0/584	24.7/627	28.8/732	14.5/55.0	1.9	16.0/406	See Factory	11.6/295	13.4/340
	16 x 33	33.0/838	34.6/879	38.8/966	22.4/56.0	3.0	16.0/406	9.7/246	11.6/295	13.4/340
	16 x 65	65.0/1651	65.9/1674	71.1/1806	48.3/182.8	6.4	16.0/406	41.7/1059	11.6/295	13.4/340



STRUCTURAL®
PORTABLE EXCHANGE TANKS



FEATURES/BENEFITS

For light commercial water treatment

Portable, easy to change-out design eliminates downtime and hassles

Noryl exchange head, 4.5" threaded openings and standard disconnects operate with existing systems

Noryl manifold is 30% stronger than conventional ABS

Does not require steel bands

Impact and corrosion resistance due to high performance polyethylene inner liner

**See more info on
DI components
on page XX**



est. 1947

DUFF co.

When you need it now... or don't know how





STRUCTURAL®
PORTABLE EXCHANGE TANKS

SPECIFICATIONS

	SIZE (INCHES)	TANK HEIGHT C1 (IN./MM)	OVERALL HEIGHT		CAPACITY GALLONS/LITERS	CUBIC FEET	TANK DIAMETER			
			L1 STD. BASE (IN./MM)	L2 EXT. BASE (IN./MM)			A (IN./MM)	D (IN./MM)	H1 (IN./MM)	H2 (IN./MM)
6" DIA.	6 x 18	18.0/457	18.1/460	24.0/610	2.3/8.7	0.3	6.0/152	9.4/239	4.1/104	4.5/114
7" DIA.	7 x 24	24.0/610	24.1/612	30.0/762	3.8/14.4	0.5	7.0/178	15.1/384	4.9/124	4.1/104
	7 x 44	44.0/1118	44.4/1128	50.2/1275	7.3/27.6	1.0	7.0/178	35.3/897	4.9/124	4.1/104
8" DIA.	8 x 17	17.0/432	17.2/437	23.0/584	3.1/11.7	0.4	8.0/203	7.2/183	5.3/135	4.4/112
	8 x 24	24.0/610	24.3/617	30.1/765	4.6/17.4	0.6	8.0/203	14.3/363	5.3/135	4.4/112
	8 x 30	30.0/762	30.2/767	36.0/914	6.0/22.7	0.8	8.0/203	20.2/513	5.3/135	4.4/112
	8 x 35	35.0/889	35.2/894	41.0/1041	7.1/26.9	0.9	8.0/203	25.2/640	5.3/135	4.4/112
	8 x 40	40.0/1016	40.3/1024	46.1/1171	8.2/31.0	1.1	8.0/203	30.3/770	5.3/135	4.4/112
	8 x 44	44.0/1118	44.5/1130	50.2/1275	9.1/34.4	1.2	8.0/203	34.4/874	5.3/135	4.4/112
9" DIA.	9 x 35	35.0/889	35.3/897	41.0/1041	8.8/33.3	1.2	9.0/229	24.5/622	5.3/135	5.2/132
	9 x 40	40.0/1016	40.3/1024	46.0/1168	10.3/39.0	1.4	9.0/229	29.5/749	5.3/135	5.2/132
	9 x 48	48.0/1219	48.3/1227	54.0/1372	12.5/47.3	1.7	9.0/229	37.5/953	5.3/135	5.2/132
10" DIA.	10 x 19	19.0/483	19.3/490	24.8/630	45.1/19.3	0.7	10.0/254	8.0/203	5.8/147	5.2/132
	10 x 30	30.0/889	30.4/772	36.0/914	8.5/32.3	1.1	10.0/254	19.3/490	5.8/147	5.2/132
	10 x 35	35.0/889	35.2/894	40.7/1034	10.4/39.4	1.4	10.0/254	23.8/605	5.9/147	5.2/132
	10 x 40	40.0/1016	40.3/1024	45.8/1163	12.1/45.8	1.6	10.0/254	28.9/734	5.9/147	5.2/132
	10 x 44	44.0/1118	44.3/1125	49.9/1267	13.4/51.0	1.8	10.0/254	33.1/841	5.8/147	5.2/132
	10 x 47	47.0/1194	47.3/1201	52.8/1341	14.4/55.0	1.9	10.0/254	36.0/914	5.8/147	5.2/132
	10 x 54	54.0/1372	54.3/1379	59.8/1519	16.7/63.0	2.2	10.0/254	43.0/1092	5.8/147	5.2/132
12" DIA.	12 x 29	29.0/737	29.1/739	34.2/869	14.2/53.7	1.9	12.0/305	15.4/391	6.6/168	6.4/163
	12 x 48	48.0/1219	48.9/1242	53.8/1367	23.4/89.0	3.1	12.0/305	35.0/889	6.6/168	6.4/163
13" DIA.	13 x 54	54.0/1372	54.9/1394	59.8/1519	27.6/105.0	3.7	13.0/330	35.6/904	9.1/231	9.3/236
14" DIA.	14 x 65	65.0/1651	65.7/1669	70.5/1791	39.7/150.3	5.3	14.0/356	43.0/1092	10.8/274	11.1/282
16" DIA.	16 x 23	23.0/584	24.7/627	28.8/732	14.5/55.0	1.9	16.0/406	See Factory	11.6/295	13.4/340
	16 x 33	33.0/838	34.6/879	38.8/966	22.4/56.0	3.0	16.0/406	9.7/246	11.6/295	13.4/340
	16 x 65	65.0/1651	65.9/1674	71.1/1806	48.3/182.8	6.4	16.0/406	41.7/1059	11.6/295	13.4/340











FLECK COMMERCIAL VALVES



	9100	9000	9500	5812	2750	2850	2850s	2900s	3150	3900
Valve Material	Fiber-Reinforced Polymer	Lead-Free Brass	Lead-Free Brass	Lead-Free Brass	Lead-Free Brass	Lead-Free Brass	Lead-Free	Lead-Free Brass	Lead-Free Brass	Lead-Free Brass
Inlet/Outlet	3/4", 1", or 1-1/4"	3/4", 1", or 1-1/4"	1-1/2" 3/4", 1", or 1-1/4"	1" 1-1/2"	1"	1-1/2"	1-1/2"	2"	2"	3"
Service Flow Rate (gpm) 15 psi drop	20.1	21	38	Downflow	26	46	70	106	95	250
Backwash Flow Rate (gpm) 25 psi drop	8.5	8.5	16	Downflow	25	47	70 3	6	100	100
Softener Tank Size	6 - 16"	6 - 16"	10 - 24"	8 - 24"	10 - 30"	14 - 36"	14 - 36"	14 - 36"	14 - 63"	24 - 63"
Filter Tank Size Based on 10 gpm/ft2	8 - 24"	10 - 21"	14 - 30"	14 - 30"	10 - 21"	14 - 30"	14 - 30"	14 - 24"	14 - 42"	24 - 42"
Timer Type	Electro-mechanical SXT XT Logix - Twin Sensor	Electro-mechanical SXT XT	Electro-mechanical SXT XT	SXT XTR2	Electro-mechanical SXT XT NXT	Electro-mechanical SXT XT NXT	Electro-mechanical SXT XT NXT	Electro-mechanical XT NXT	Electro-mechanical XT NXT	Electro-mechanical XT NXT
Adjustable Cycles	•	•	•	•	•	•	•	•	•	•
Bypass	•	•		•						
Upflow Regeneration	Logix - TS Only			•				•	•	•
No Bypass Piston				•	•	•	•	•	•	•
Auxiliary Switch	•	•	•	•	•	•	•	•	•	•
Manual Lever					•	•				
Hot Water		•	•		•	•		•	•	
Duplex	Twin	Twin			Electro-mechanical NXT	Electro-mechanical NXT	Electro-mechanical NXT	Electro-mechanical NXT	Electro-mechanical NXT	Electro-mechanical NXT
Multiplex					NXT Only	NXT Only	NXT Only	NXT Only	NXT Only	NXT Only



FLECK RESIDENTIAL VALVES

								
	5600	4650	5600 SXT	5000	5800	5810	2510	7000
Valve Material	Fiber-Reinforced Polymer	Lead-Free Brass	Fiber-Reinforced Polymer	Fiber-Reinforced Polymer	Fiber-Reinforced Polymer	Fiber-Reinforced Polymer	Fiber-Reinforced Polymer	Fiber-Reinforced Polymer
Inlet/Outlet	3/4", 1", or 1-1/4"	3/4", 1", or 1-1/4"	3/4", 1", or 1-1/4"	3/4", 1", or 1-1/4"	3/4", 1", or 1-1/4"	3/4", 1", or 1-1/4"	3/4", 1", or 1-1/4"	3/4", 1", or 1-1/4"
Service Flow Rate (gpm) 15 psi drop	20	20	20	21	21	Downflow 36 Upflow 39 Filter 31	19	Standard Hiflow Filter 28 36 37
Backwash Flow Rate (gpm) 25 psi drop	7	7	7	17	17	Downflow 28 Upflow 30 Filter 33	17	Standard Hiflow Filter 7 16 31
Softener Tank Size	6 - 12"	6 - 12"	6 - 12"	6 - 16"	6 - 16"	8 - 21"	6 - 16"	8 - 24"
Filter Tank Size Based on 10 gpm/ft2	8 - 10"	6 - 10"	6 - 16"	6 - 16"	8 - 16"	8 - 21"	6 - 16"	8 - 24"
Timer Type	Electro-mechanical	Electro-mechanical	SXT	SXT	LXT SXT XTR2	SXT XTR2	Electro-mechanical	SXT XTR NXT
Adjustable Cycles	Brine fill only	Brine fill only	•	•	•	•	•	•
Bypass	•	•	•	•	•	•	•	•
Upflow Re-generation	•		•	•	•	•		
No Bypass Piston							•	
Auxiliary Switch						•	•	•
Manual Lever							•	
Hot Water		•						
Duplex								NXT Only
Multiplex								NXT Only



FLECK
Pentair Water

How to Order

Submit your order online

or

email info@duffco.com

Be sure to include

product numbers

descriptions

quantities

Don't forget to include your name!

DUFF SUPPLY COMPANY

WATER TREATMENT EQUIPMENT - PUMPS - PLUMBING - HEATING - INDUSTRIAL SUPPLIES - PUMPS
STEAM SPECIALTIES - PIPE - VALVES - FITTINGS - SOFTENERS - FILTERS

201 EAST LAFAYETTE STREET, P.O. BOX 618, NORRISTOWN, PA 19401

PHONE: 610-275-4453 FAX: 610-279-6299



SOLD TO:

SHIP TO:

YOUR NAME: _____ PURCHASE ORDER NO. _____

TODAY'S DATE: _____ REQUIRED DATE: _____

QTY	FIG. NO.	DESCRIPTION	PRICE/EA	TOTAL



Products for Quality Water

TERMS: NET - 10TH OF MONTH FOLLOWING PURCHASE
WE WILL PREPAY AND ADD FREIGHT FOR ALL ORDERS SHIPPED UPS OR COMMON CARRIER

All accounts are to be paid in full to Duff Supply Company monthly by the tenth (10th) day of the month following invoice date, a 1% service charge and a 1% interest charge will be made on any balance open at the end of the month following invoice, and in the event that legal action or lien be undertaken, or the service of a collection agency are used to collect this account, the customer shall pay all expenses incurred by Duff Supply Company, such as, but not limited to, costs and collection, legal and lien fees.

QTY	FIG. NO.	DESCRIPTION	PRICE/EA	TOTAL

*Thank You
for your business!*



Contact name _____ Contact Date _____

	<h2 style="margin: 0;">DUFF COMPANY</h2> <p style="margin: 0;">201 East Lafayette Street Norrstown, PA 19401</p> <p style="margin: 0;">Phone: 610-275-4453 Fax: 610-279-6761</p>	
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Legal Name _____

Name in which business is conducted _____

Billing Address _____

City _____ State _____ Zip _____

Purchasing Phone _____ A/P Phone _____ Fax _____



Principal's Name _____

Principal's Address _____

City _____ State _____ Zip _____

Phone (Office) _____ (Cell) _____ E-mail address _____

Website address (If applicable) _____

Primary Contact _____ Title _____



SHIPPING ADDRESS - IF DIFFERENT

Shipping Address _____ Phone _____

City _____ State _____ Zip _____

Tax Exempt Number _____ Provide a copy of Certificate. We CAN NOT set up a Tax Exempt Account without certification.



TYPE OF BUSINESS

Plumbing _____ Pumps _____ Heating _____ Municipality _____ Hotel or Apts. _____ Well Drilling _____
 Hospital _____ Factory (OEM) _____ Factory (Mtn) _____ Office Building _____ Shopping Center _____
 Golf Course _____ Water Treatment _____ Environmental _____ Other (Please name) _____

Have you been contacted by one of our salesman? _____ Name _____

If YES, please explain _____

Name of person authorized to pick up _____

D&B Rating _____ Check one: Corporation _____ Partnership _____ Individual Proprietor _____

If division of another company, name parent company and relationship _____

DUFF COMPANY

201 East Lafayette Street, Norristown, PA 19401

TRADE REFERENCES

Name _____ Type of business _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____



Name _____ Type of business _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____



Name _____ Type of business _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____



Bank reference _____

Branch Address _____

City _____ State _____ Zip _____

Branch officer who handles account _____

In consideration of your opening the above account and/or extended credit, the undersigned hereby agrees that all information supplied in this application is correct, that all accounts are to be paid in full to Duff Company monthly by the tenth day of the month following the invoice date, that a 1% service charge and a 1% interest charge will be made on any balance open at the end of the month following invoice date, and that in the event that legal action or lien be taken, or the service of a collection agency are used to collect this account, the undersigned shall pay all expenses incurred by the Duff company, such as, but not limited to, collection fees, costs and legal fees.

Applicant (Name of Account) _____

By _____ Title _____

The undersigned _____ and _____ for good and valuable consideration, hereby jointly, severally and personally unconditionally guarantee, warrant and promise the full and prompt (within terms) payments of all bills and other obligations (as set forth above) of the applicant in connection with any credit extended to the applicant by Duff Company.*

Principal _____ Witness _____ Principal's Spouse _____ Witness _____

Principal _____ Witness _____ Principal's Spouse _____ Witness _____

We routinely fax invoices to our customers. Please provide a fax number where we can send invoices _____

PLEASE FAX FORM TO 610-275-6761

*As appropriate, we may also require the guarantee of a principal and, in some cases, the principal's spouse.

For Duff Company Use Only

Credit Limit: _____	Contact: _____	Certificate Recd: _____
Tax Jurisdiction: _____	General Manager _____	Type: _____
Salesman: _____	Class: _____	Controller: _____
	Date Approved: _____	